

## **ASMBS COGNITIVE CURRICULUM LEARNING OBJECTIVES**

### **I. Science of Obesity and Metabolic Surgery**

- a. History of Bariatric and Metabolic Surgery
- b. Epidemiology of Surgery
- c. Pathophysiology and Genetics of Obesity
- d. Mechanisms of Weight Loss and Disease Resolution
- e. Psycho-social aspect and Health Disparities
- f. Nutritional Considerations

### **II. Current Technical Procedures**

- a. Adjustable Gastric Banding
- b. Sleeve Gastrectomy
- c. Roux-en-Y Gastric Bypass
- d. Biliopancreatic Diversion with Duodenal Switch
- e. Single Anastomosis Duodeno-ileostomy – Loop Duodenal Switch
- f. Revisional Bariatric Surgery
- g. Innovative and Emerging Procedures
  - i. Endoscopic Techniques
  - ii. One Anastomosis Gastric Bypass

### **III. Peri-operative Care**

- a. Indications for Metabolic/Bariatric Surgery
- b. Patient Selection in Metabolic/Bariatric Surgery
- c. Pre-operative Evaluation of the Bariatric Patient
- d. Anesthesia Considerations
- e. Acute Postoperative Complications
- f. Post-operative care and Enhanced Recovery Protocols
- g. Long term Follow up and Complications of Bariatric Patients

### **IV. Outcomes of Metabolic Surgery**

- a. Safety of Metabolic/Bariatric Surgery
- b. Weight loss after various Procedures
- c. Resolution of Type 2 Diabetes
- d. Resolution and Prevention of Cardiovascular disease
- e. GERD Improvement

### **V. Special Considerations and Population Subsets**

- a. Management of Liver and Biliary Conditions
- b. Childhood and Adolescent Obesity Surgery
- c. Elderly and frail Bariatric Patients
- d. Abdominal Wall Hernia / Evisceration
- e. Immune Compromise and Transplant Patients
- f. Pregnancy and Obesity Surgery
- g. Aberrant anatomy
- h. Autoimmune conditions and IBS